



**December 12, 2012**

1516 Ninth Street  
Hearing Room A – First Floor  
Sacramento, California 95814

**10 a.m.**

(Wheelchair Accessible)

**THE COMMISSION WILL CONSIDER THE FOLLOWING ITEMS:**

1. CONSENT CALENDAR. (Items on the Consent Calendar will be taken up and voted on as a group. A commissioner may request that an item be moved and discussed later in the meeting.)
  - a. PLATTS C-TRACK. Possible approval of Purchase Order 12-445.03-010 for \$16,995 for a one-year subscription to Platts c-Track for marine vessel tracking and historical data. (ERPA funding) Contact: Gordon Schremp.
  - b. CITY OF SAN CARLOS. Possible approval of the City of San Carlos's locally adopted building energy standards to require greater energy efficiency than the *2008 Building Energy Efficiency Standards*. Contact: Joe Loyer.
  - c. POTTER DRILLING, INC. Possible approval of Amendment 1 to Agreement PIR-09-019 with Potter Drilling, Inc., for a five month no-cost time extension. This extension is needed to allow the grantee additional time to conduct final testing for completion of the project tasks. (PIER electricity funding) Contact: John Hingtgen.
  - d. INTER-CON SECURITY SYSTEMS, INC. Possible approval of Amendment 10 to agreement 200-07-004 with Inter-Con Security Systems, Inc. This amendment will add \$210,000 and extend the agreement to December 31, 2013. Inter-Con Security Systems provides 24-hour, unarmed security for the California Energy Commission. (ERPA funding) Contact: Emily Oren.
  - e. SHANDAM CONSULTING, INC. Possible approval of Purchase Order 12-409.00-009 for \$50,000 to Shandam Consulting, Inc., to provide the necessary expertise to review and assess the Energy Commission's current Microsoft Windows Server environment and to identify the design, build and migration requirements for a Windows Server 2008 R2 upgrade to be hosted at the California Natural Resources Agency Data Center. (ERPA funding) Contact: Dale Chisum.
  - f. SHANDAM CONSULTING, INC. Possible approval of Purchase Order 12-409.00-008 for \$30,000 to Shandam Consulting, Inc., to provide the necessary expertise to upgrade the Energy Commission's public website server (web server) environment and to relocate the hosting of the web server at the California Natural Resources Agency Data Center. (ERPA funding) Contact: Dale Chisum.

- g. AEMETIS, INC. Possible approval of Amendment 1 to Agreement ARV-11-017 with Aemetis, Inc. to revise the work statement and budget to accelerate project delivery and outcomes needed to commercially deploy advanced biofuels. (ARFVTP funding) Contact: Larry Rillera.
  - h. NONRESIDENTIAL BUILDING ENERGY USE DISCLOSURE PROGRAM. Possible adoption, following publication of proposed amendments and 15-day language comment period, of proposed regulations for the *Nonresidential Building Energy Use Disclosure Program*, in the California Code of Regulations, Title 20, Sections 1680-1684, implementing AB 1103 (Saldaña, 2007) and AB 531 (Saldaña, 2009). Contact: Justin Regnier.
2. ENERGY COMMISSION COMMITTEE APPOINTMENTS. Possible approval of appointments to the Energy Commission's Standing Committees and Siting Case Committees. Contact: Kevin Barker. (5 minutes)
  3. ABENGOA MOJAVE SOLAR POWER PROJECT (09-AFC-5C). Possible approval of the petition to amend the Energy Commission Decision to eliminate the requirement for fire hydrant loops in the solar fields and to conform Hazardous Materials Management Condition of Certification HAZ-7 regarding fire water loops. Contact: Dale Rundquist. (10 minutes).
  4. MODEL MOU FOR THE DESERT RENEWABLE ENERGY CONSERVATION PLAN. Possible approval of a template Memorandum of Understanding (MOU) between the Energy Commission and Desert Renewable Energy Conservation Plan (DRECP) counties on their participation and engagement in the development of the DRECP. If the model MOU is approved, the Commission's Executive Director will be authorized to use it to enter into MOU agreements with each of the DRECP counties. Contact: Kristy Chew. (5 minutes)
  5. BIENNIAL AMENDMENTS TO CONFLICT OF INTEREST REGULATIONS. Possible adoption of an order to open a rulemaking proceeding to update the Energy Commission's conflict of interest regulations. Every two years, the Fair Political Practices Commission requires every agency to review and update its employee classifications that specify which positions are required to file the annual "Form 700" Statement of Economic Interest, and the types of interests required to be reported for each position. Contact: Robin Mayer. (5 minutes)
  6. VOLUNTARY CALIFORNIA QUALITY LIGHT-EMITTING DIODE (LED) LAMP SPECIFICATION. Possible adoption of a staff report which will support energy policy makers and the lighting industry in their collective goal to move consumers away from inefficient incandescent lighting and toward more efficient LED lighting. Energy Commission staff worked with technical experts, utilities, and industry to determine the level of performance necessary to achieve a lighting product that would meet or exceed customer expectations and needs for lighting. This Specification represents the Energy Commission staff's recommendation of the minimum quality for an LED light to be considered "California Quality." Contact: Owen Howlett. (10 minutes)
  7. BUILDING ENERGY EFFICIENCY STANDARDS: Possible adoption of proposed amendments to the Building Energy Efficiency Standards, Title 24, Part 1 and Part 6 generally referred to as the Nonresidential Acceptance Testing Certification requirements. These requirements will create an independent third party certification and training program to ensure Field Technicians and their employers acquire a sufficient

level of training and skill to perform the acceptance testing for nonresidential lighting controls and mechanical systems as required by the 2013 Building Energy Efficiency Standards Contact: Martha Brook. (15 minutes)

8. FORMS AND INSTRUCTIONS. Possible adoption of an order approving forms and instructions for load-serving entities to submit electricity demand forecast and resource plan information in support of the 2013 Integrated Energy Policy Report. Contact: Nick Fugate and Jim Woodward. (5 minutes)
  - a. ELECTRICITY DEMAND FORECASTS. *Forms and Instructions for Electricity Demand Forecasts* ask certain load-serving entities in California to provide the Energy Commission with economic/demographic information, demand-side management impacts, and other data relating to energy demand for the historical years 2000-2012 and the forecast years 2013-2024.
  - b. ELECTRICITY RESOURCE PLANS. *Forms and Instructions for Submitting Electricity Resource Plans* ask certain load-serving entities in California to submit plans showing how demand for energy and annual peak load will be met by specific supply resources.
9. ALTERNATIVE AND RENEWABLE FUEL VEHICLE BUY-DOWN INCENTIVES. Possible approval of a total of \$1,094,000 in vehicle buy-down incentive reservations (ARFVTP funding) Contact: Andre Freeman. (5 minutes)
  - a. GALPIN MOTORS INC. dba GALPIN FORD (OEM – Ford Motor Company) (BDIR-12-15), in the amount of \$66,000 for the buy-down of 11 propane vehicles of 8,501 to 14,000 pounds gross vehicle weight and \$20,000 for the buy-down of two propane vehicles of 14,001 to 26,000 pounds gross vehicle weight, for a total reservation amount of \$86,000.
  - b. NATION BUS CORP. (OEM – Champion Bus, Inc.) (BDIR-12-16), in the amount of \$280,000 for the buy-down of 28 propane vehicles of 14,001 to 26,000 pounds gross vehicle weight.
  - c. BIG VALLEY FORD, INC. (OEM – Ford Motor Company) (BDIR-12-17), in the amount of \$48,000 for the buy-down of eight propane vehicles of 8,501 to 14,000 pounds gross vehicle weight.
  - d. WEST COAST BUS SALES, INC. (OEM – Federal Coach) (BDIR-12-18), in the amount of \$40,000 for the buy-down of five natural gas vehicles of 8,501 to 14,000 pounds gross vehicle weight and \$300,000 for the buy-down of 15 natural gas vehicles of 14,001 to 26,000 pounds gross vehicle weight, for a total reservation amount of \$340,000.
  - e. WEST COAST BUS SALES, INC. (OEM – Tiffany Coach) (BDIR-12-19), in the amount of \$40,000 for the buy-down of five natural gas vehicles of 8,501 to 14,000 pounds gross vehicle weight and \$300,000 for the buy-down of 15 natural gas vehicles of 14,001 to 26,000 pounds gross vehicle weight, for a total reservation amount of \$340,000.
- ~~10. WRIGHTSPEED, INC. Possible approval of grant Agreement ARV-12-022 for \$5,789,452 with Wrightspeed, Inc. to expand and improve its existing manufacturing facility including partial conversion of current space to accommodate the company's manufacturing line requirements. The manufacturing facility produces range-extended electric drive retrofit kits. The kits will be used to convert the power trains of medium-~~

~~duty trucks for significantly increased fuel efficiency. (ARFVTP funding) Contact: Andre Freeman. (5 minutes)~~ (ITEM MOVED TO JANUARY 9, 2013, AGENDA)

11. CITY OF MONTEREY PARK. Possible approval of grant Agreement ARV-12-014 for \$300,000 to the City of Monterey Park to upgrade the City's existing, outdated compressed natural gas (CNG) fueling station at the City Yard to provide sufficient fuel for the general public, the city's transit system, and an expanding public works fleet. City of Monterey Park will contribute \$475,634 in match funds. (ARFVTP funding) Contact: Shuai "James" Zhang. (5 minutes)
12. ENVIRON STRATEGY CONSULTANTS. Possible approval of grant Agreement ARV-12-021 for \$1,211,370 with Environ Strategy Consultants to design and install a solid food waste processing system to screen, mix, and chemically adjust pre-landfill material for use in an existing anaerobic digester. This will demonstrate that solid food waste can be diverted from the landfill by using existing infrastructure to create biomethane for conversion into CNG fuel. (ARFVTP funding) Contact: Phil Cazal. (5 minutes)
- ~~13. ALTERNATIVE AND RENEWABLE FUEL ELECTRIC VEHICLE SUPPLY EQUIPMENT. Under PON-11-602, possible approval of four grant Agreements totaling \$2,649,512 for the purchase and installation of electric vehicle supply equipment. (ARFVTP funding) Contact: Darren Nguyen. (10 minutes)~~
  - ~~a. AEROVIRONMENT, INC. (ARV-12-016) in the amount of \$75,000 to supply and install two dual Level 2 electric vehicle charging stations at two YMCA locations in San Diego, CA. These two charging locations will be used by customers of Car2Go, an electric vehicle carshare program provider.~~
  - ~~b. AEROVIRONMENT, INC. (ARV-12-017) in the amount of \$75,000 to supply and install two dual Level 2 electric vehicle charging stations at two apartment buildings in San Diego, CA. These two charging locations will be used by customers of Car2Go, an electric vehicle carshare program provider.~~
  - ~~c. AEROVIRONMENT, INC. (ARV-12-023) in the amount of \$2 million to provide 2,400 residential Level 2 electric vehicle charging stations in both single family and multi-unit dwellings.~~
  - ~~d. COULOMB TECHNOLOGIES, INC. (ARV-12-024) in the amount of \$499,512 to install 138 dual Level 2 electric vehicle charging stations and 68 home charging stations at multi-unit dwelling locations within the City of San Diego. (ITEMS MOVED TO JANUARY 9, 2013, AGENDA)~~
14. ENERGY CONSERVATION ASSISTANCE ACCOUNT (ECAA) LOANS. Possible approval of eight, one percent interest ECAA loans totaling \$12,396,666. These eight projects annually provide energy cost savings of \$1,093,718; reduce electricity consumption by 8,056,471 kilowatt hours (kWh); and reduce greenhouse gases (GHG) by 2,772 tons. (ECAA funding) Contact: Marcia Smith (10 minutes)
  - a. MONTEREY PENINSULA UNIFIED SCHOOL DISTRICT, Agreement 004-12-ECF, for a loan of \$2,710,721 to install a total of 797.4 kW of solar at four schools. The project is estimated to save the school district \$221,885 annually by producing a total of 1,145,769 kWh. The simple payback on the loan is 12.2 years.

- b. CITY OF SAN DIEGO, Agreement 005-12-ECF, for a loan of \$2 million to retrofit 2,147 high pressure sodium streetlights with LED streetlights. The project is estimated to annually: 1) provide the City \$182,285 in energy cost savings; 2) reduce electricity consumption by 1,539,184 kWh; and 3) reduce GHG emissions by 530 tons. The City expects to receive approximately \$106,000 in rebates from San Diego Gas and Electric. The simple payback on the loan is 11.0 years.
  - c. CITY OF SAN MARCOS, Agreement 006-12-ECF, for a loan of \$602,188 to retrofit various HVAC projects. The project is estimated to annually: 1) provide the City \$79,396 in energy cost savings; 2) reduce electricity consumption by 508,711 kWh; and 3) reduce GHG emissions by 175 tons. The City expects to receive approximately \$53,000 in rebates/incentives from San Diego Gas and Electric. The simple payback on the loan is 7.6 years.
  - d. CITY OF RICHMOND, Agreement 007-12-ECF, for a loan of \$1,559,577 to retrofit 2,542 high pressure sodium and mercury vapor streetlights with LED streetlights. The project is estimated to annually: 1) provide the City \$119,967 in energy cost savings; 2) reduce electricity consumption by 942,851 kWh; and 3) reduce GHG emissions by 325 tons. The City expects to receive approximately \$230,675 in rebates from Pacific Gas and Electric. The simple payback on the loan is 13.0 years.
  - e. CITY OF SAN LUIS OBISPO, Agreement 008-12-ECF, for a loan of \$1,287,920 to retrofit 2,263 high pressure sodium and mercury vapor streetlights with LED streetlights. The project is estimated to annually: 1) provide the City \$99,071 in energy cost savings; 2) reduce electricity consumption by 778,716 kWh; and 3) reduce GHG emissions by 268 tons. The City expects to receive approximately \$162,000 in rebates from Pacific Gas and Electric. The simple payback on the loan is 13.0 years.
  - f. CITY OF SANTA MARIA, Agreement 009-12-ECF, for a loan of \$2 million to retrofit 5,283 low and high pressure sodium streetlights to LED streetlights. The project is estimated to annually: 1) provide the City \$188,216 in energy cost savings; 2) reduce electricity consumption by 1,548,852 kWh; and 3) reduce GHG emissions by 530 tons. The City will be providing approximately \$1 million to fully fund this \$3 million project. The simple payback on the loan is 10.6 years.
  - g. CITY OF RANCHO CORDOVA, Agreement 010-12-ECF, for a loan of \$1,809,734 to retrofit 4,736 high pressure and mercury vapor streetlights with LED streetlights. The project is estimated to annually: 1) provide the City \$156,011 in energy cost savings; 2) reduce electricity consumption by 2,391,156 kWh; and 3) reduce GHG emissions by 824 tons. The City expects to receive \$100,000 in rebates from the Sacramento Municipal Utility District. The simple payback on the loan is 11.6 years.
  - h. CITY OF LOS ANGELES, Agreement 011-12-ECF, for a loan of \$426,526 to retrofit interior lighting and controls at various city owned buildings. The project is estimated to annually: 1) provide the City \$46,887 in energy cost savings; 2) reduce electricity consumption by 347,000 kWh; and 3) reduce GHG emissions by 120 tons. The simple payback on the loan is 9.1 years.
15. AMENDED INTEREST RATES FOR SEVEN ECAA LOANS. Possible approval of ECAA loan interest rate reduction from three percent to one percent for seven loans

previously approved by the Energy Commission. On October 15, 2012, PON-11-610 was amended to reduce the loan interest rate to one percent. If approved, the interest rate for the following seven existing ECAA projects will be reduced to one percent to align with the revised ECAA program:

- a. Golden Valley Unified School District, Agreement 001-11-ECF.
- b. Taft City School District, Agreement 002-11-ECF.
- c. Sonoma Valley Health Care District, Agreement 003-11-ECF.
- d. City of Hayward, Agreement 004-11-ECF.
- e. Scott Valley Unified School District, Agreement 001-12-ECF.
- f. City of Napa, Agreement 002-12-ECF.
- g. County of Santa Clara, Agreement 003-12-ECF.

No changes to the scope of work or other terms of the loans are requested. Contact Marcia Smith. (5 minutes)

16. **Minutes:**

- a. Possible approval of the November 14, 2012, Business Meeting Minutes.
- b. Possible approval of the November 29, 2012, Business Meeting Minutes.

17. **Lead Commissioner or Presiding Member Reports.** A Lead Commissioner on a policy matter may report to the Commission on the matter and discussion may follow. A Presiding Member on a delegated committee may report to the Commission on the matter and discussion may follow.

18. **Chief Counsel's Report:** The Energy Commission may adjourn to closed session with its legal counsel [Government Code Section 11126(e)] to discuss any of the following matters to which the Energy Commission is a party:

- a. *In the Matter of U.S. Department of Energy (High Level Waste Repository)*, (Atomic Safety Licensing Board, CAB-04, 63-001-HLW).
- b. *BNSF Railway Company v. US Department of Interior, California Energy Commission* (U.S. District Court Central District of California-Riverside, CV 10-10057 SVW (PJWx)).
- c. *Richard Latteri v. Energy Resources, Conservation and Development Commission, et al.* (Sacramento County Superior Court, 34-2011-99985).
- d. *Rick Tyler, et al v. Governor of California, Edmund G. Brown, Jr., et al.* (Alameda County Superior Court, RG12619687).
- e. *California Unions for Reliable Energy v. Energy Resources Conservation and Development Commission, Real Parties in Interest Ormat Nevada, Inc., ORNI 18 LLC, and ORNI 19 LLC* (Alameda County Superior Court, RG 12610669).
- f. *Asphalt Roofing Manufacturers Association v. California Energy Commission* (Sacramento County Superior Court, 34-2012-80001195).
- g. *California Independent System Operator Corporation* (Federal Energy Regulatory Commission, Docket No. ER12-2634).
- h. *Helping Hand Tools, Rob Simpson v. Energy Resources Conservation and Development Commission (San Diego Air Pollution Control District and Pio Pico*

The Energy Commission may also discuss any judicial or administrative proceeding that was formally initiated after this agenda was published; or determine whether facts and circumstances exist that warrant the initiation of litigation; or that constitute a significant exposure to litigation against the Commission.

19. **Executive Director's Report.**
20. **Public Adviser's Report.**
21. **Public Comment:** People may speak up to five minutes on any matter concerning the Energy Commission, with the exception of items appearing elsewhere on this agenda or items related to pending adjudicative (certification or enforcement) proceedings.

If you require special accommodations, contact Lourdes Quiroz at 916-654-5146, five days before the meeting.

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**Adjournment of Hearings and Meetings:** Depending upon time available and the orderly management of proceedings, the Commission may order adjournment (recess or postponement) of any noticed hearing or meeting, to be continued to the next day, another specific date or time, or to the next business meeting, as appropriate. Any such adjournment will be noticed at the time the order of adjournment is made (Government Code §§11128.5, 11129).